

## SPECIFICATIONS

### MEASURED PARAMETERS

(4) Differential Voltage: 16 bit resolution

0-1000Vrms, AC/DC,  $\pm 0.1\%$  reading,  $<40V \pm 0.5\%FS$

IEC 61000-4-30 Class A: 60-1000Vrms,  $\pm 0.1\%$  of Udin, range of 10% ~ 150% of Udin

Transients: 0-1500Vpk,  $\pm 0.2\%$  of Udin

(4) Current (rms): 512 s/c, 16 bit resolution

Range probe dep., AC/DC,  $\pm 0.1\%$  reading  $\pm 0.05\% FS$ ,  $\pm 0.2\%$  of Udin

Transientss: Range probe dep.,  $\pm 0.2\%$  of Udin

### Frequency:

16-25Hz, 42.5-69Hz,  $\pm 0.01Hz$

### CALCULATED PARAMETERS

#### Power/Energy - 1 Second sampling

Real Power (W) - P: meets 0.2S requirements, range probe dep.

Apparent Power (VA) - S: meets 0.2S requirements, range probe dep.

Reactive Power (var) - Q: meets 0.2S requirements, range probe dep.

Power Factor (W/VA) - "true" 1 to 0 to 1

Displacement PF 1 to 0 to 1

Demand (in W): meets 0.2S requirements, range probe dep.

Energy (in Wh): meets 0.2S requirements, range probe dep.

#### Distortion - 200ms, 3 sec, 10 min windows

Vthd: 0-100%,  $\pm 5\%$  for  $V \geq 1\% Vnom$ ,

V Ind Harm: DC, 2-127,  $\pm 5\%$  for  $V \geq 1\% Vnom$

Ithd: 0-100%,  $\pm 5\%$  for  $I \geq 1\% Vnom$ ,

I Ind Harm: DC, 2-63,  $\pm 5\%$  for  $I \geq 1\% Vnom$

#### Misc.

Pst - 10 minutes: 0.2-10,  $\pm 0.05$  @ Pst=1

Plt - 2 hours: 0.2-10,  $\pm 0.05$  @ Pst=1

### EASE OF USE FEATURES

Automatic Setups

Pre-programmed monitoring modes

AnswerModules<sup>®</sup>- Sag/Dip Directivity, PF Cap, Motor

Dashboards - PQ, Demand & Energy

Simultaneous PQ, Demand & Energy

Mini Report

### STANDARDS COMPLIANCE

#### Power Quality

IEC 61000-4-30 Class A: Edition 2 (2008)

IEEE 1159: 2009

#### Power

IEEE 1459: 2000

#### Harmonics

IEC 61000-4-7 Class 1: Edition 2 (2008)

IEEE 519: 2014

#### Voltage Flicker

IEC 61000-4-15: Edition 2 (2010)

IEEE 1453: 2011

#### Compliance/Testing

EN 50160: 2010

### GENERAL SPECIFICATIONS

Size (10" w x 8" h x 2.75" d) (25.4cm x 20.3cm x 7.00 cm)

Weight: 1.9 kg, 4.2lbs

Operating temperature: 0 to 50 deg C

Storage temperature: -20 to 60 deg C

Humidity: 10-90% non condensing

Clock accuracy and resolution

Internal:  $\pm 1$  sec/day at 25deg C

NTP:  $\pm 10$  msec

GPS:  $\pm 1$  msec

AC Adapter: 90-264Vac 50/60Hz

Battery capacity and charge time: 3 hours run time on full charge

Memory size: 4GB

Display: 7" WVGA color graphic, Icon based touch LCD, LED Backlit

Languages: English, German, Spanish, French, Italian, Swedish, Finnish, Polish, Chinese (traditional and simplified), Thai, Korean

### COMMUNICATIONS

Ethernet, 802.11 b/g/n Wireless

USB On the Go

Bluetooth via USB adapter

VNC remote control

Android<sup>®</sup> & Apple<sup>®</sup> App



**The Best Combination of Value & Technology  
in a PQ Analyzer – Safe, Powerful & Intelligent!**